

1 **ABSTRACT**

2 An in-line skate wheel having skew-mounted and self-powered
3 illuminating devices is disclosed. The wheel includes a first and a second anchor
4 joined together creating a chamber in the middle, a rotor held in the chamber,
5 multiple illuminating devices inserted with a skew angle on the rotor, a stator
6 fitted in the rotor, an axle passing through the two coupled anchors and the stator,
7 and a protective covering placed around the rim of the two anchors. The skew-
8 mounted illuminating devices allow the skate wheel to be fitted on in-line skates
9 and skate boards that can only use small wheels. Further, the present design can
10 prevent scratching of the illuminating devices against the ground that would
11 otherwise cause abrasion on the surface of the illuminating devices and attenuate
12 the light given out by the illuminating devices.